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IS 2769 (1969): Sizes for squares and square holes for general engineering purposes [PGD 20: Engineering Standards]

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(Second Reprint AUGUST 1982)

Indian Standard

(Reaffirmed 2002)

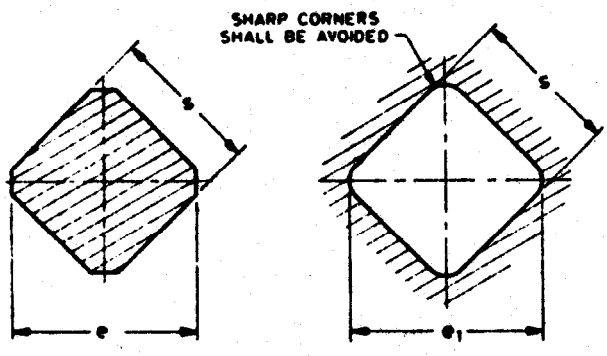
SIZES FOR SQUARES AND SQUARE HOLES FOR GENERAL ENGINEERING PURPOSES

(First Revision)

1. Scope — Dimensions and tolerances for squares and square holes for hand wheels, spindles and such other general engineering purposes.

Note — Dimensions of driving squares are outside the purview of this standard (*see* IS : 1850-1961).

2. Dimensions



All dimensions in millimetres.

s Nominal (H9/h9 or D11/h11)	e Max	e_1 Min
3·2	3·9	4·2
3·5	4·3	4·6
4	4·9	5·2
4·5	5·5	5·9
5	6·1	6·5
5·5	6·8	7·2
6	7·5	7·9
7	8·8	9·3
8	9·9	10·4
9	11·1	11·7
10	12·3	13·0
11	13·6	14·3
12	14·8	15·6
14	17·2	18·2
17	20·8	22·0
19	23·4	24·7
22	27·6	29·1
24	29·3	31·3
27	33·3	35·2
30	37·0	39·1
32	39·4	41·7
36	44·4	46·9
41	50·5	53·4
46	56·7	59·9
50	61·6	65·1
55	67·8	71·6
60	73·9	78·1
65	80·1	84·6
70	86·2	91·2
75	92·4	97·7
80	98·6	104·2

Machine Tools Sectional Committee, EDC 11 [Ref : Doc : EDC 11(1452)]

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2.1 The fit to be used in conjunction with the square or square hole shall be either H9/h9 or D11/h11

3. **Designation** — A square of nominal size 10 with a tolerance h9 shall be designated as:

Square 10h9 IS : 2769.

EXPLANATORY NOTE

The Indian Standard sizes for squares and square holes for general engineering purposes (IS : 2769-1964) was first issued in 1964. While issuing this revision the committee responsible for the preparation of this Standard has not felt the need to specify the values of corner radii of holes r_{max} as it is a redundant information.

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